STRUCTURES
MADE EASY LTD

LPS Buildings — Ensuring Structural Stability & Compliance

Large Panel System (LPS) construction was widely used in the 1960s–1970s to build tower blocks quickly and cheaply. However, tragic events such as the 1968 Ronan Point collapse exposed weaknesses in some LPS structures. Today, under the Building Safety Act 2022, owners and Principal Accountable Persons (PAPs) of Higher-Risk Buildings (HRBs) must demonstrate that these risks are fully understood and managed.

Key Structural Risks in LPS Blocks

- Weak or poorly tied panel-to-panel connections.
- Corrosion of steel reinforcement or connectors at panel edges.
- Lack of robustness against unusual forces such as gas explosions, fire or high wind.
- Material deterioration from age, moisture and weathering.

These issues can reduce a building's ability to resist disproportionate collapse — where a small failure leads to a large-scale structural breakdown.

Managing LPS Structural Risks

- Commission a detailed structural safety appraisal reviewing drawings, joints and connections.
- Assess robustness against disproportionate collapse from events such as gas explosions or fire.
- Strengthen or retrofit connections if necessary using modern techniques.
- Plan regular inspections and maintenance to track deterioration.
- Keep records updated in the Golden Thread and Safety Case Report.

Why This Matters

The Building Safety Regulator expects proactive risk management for LPS towers. Failure to assess and address vulnerabilities could delay your Building Assessment Certificate (BAC) and increase liability in the event of structural failure.

How Structures Made Easy Supports You

- Chartered Structural Engineer-led appraisals specific to LPS construction.
- Detailed robustness and disproportionate collapse analysis.
- Practical advice on strengthening and monitoring vulnerable connections.
- BSR-ready Structural Safety Reports for Building Assessment Certificates.
- Fast turnaround and portfolio pricing for landlords with multiple LPS blocks.

Ensure your LPS buildings remain safe, compliant and future-proof under the Building Safety Act 2022. Proactive action protects residents and avoids costly delays with the regulator.

Contact Structures Made Easy today to arrange a full structural appraisal and BSR-ready reporting for your LPS buildings.

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